AmigaVGB_PPC_Guide

COLLABORATORS

	TITLE : AmigaVGB_PPC_Guide		
ACTION	NAME	DATE	SIGNATURE
WRITTEN BY		May 28, 2025	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

AmigaVGB_PPC_Guide

1.1   AmigaVGB - PPC

```
      _____  ___  __ __ ___  _____
     /  ___ \ (  \./  )(_)/ __)/  ___ \
    (  (___) ) (\_/) (| | (_ ( (___) )
     \_)  (_(___) (___)_|\___j\_) (_/


      ___  ___       ___     _____
     /  / \  \     /  /     |   __  \
     \  \ /  /  _/__/_    |__|_/  /
      \  \/  /  (____  \  (_____  \
       \    /   /  (_)  \  |  |__\  \
        \__/   (_____) |_____/
                                    PPC


          This is the forth release of AmigaVGB PPC!
    It is a recompile with some changes of AmigaVGB (for 68k) on Aminet.
             Compared with AmigaVGB running on a 060,
       AmigaVGB PPC has a GREAT speed (even faster than a Gameboy!)..


                       Usage

                      Features
               Limitations/Requirements
                    Known Bugs

                      History
                       Future

                      Author
            My other PowerUP-Developments


                     Enjoy it!
                       Felix
```

1.2   Usage

```
Usage
-----
If you want to run a .gb-file, you must use the following syntax:
 runelf AmigaVGB_CGX.elf CR=<your .gb-file here>
or just double-click the PPC-icon for an ASL-Requester!
If the emulator is too fast for you, make the window larger or play
around with the options (enter "runelf AmigaVGB_CGX.elf ?" for help..)..

Keys
----
Press the help-key when you are inside the emulator!
```

1.3   Features

```
Features
--------
 - Uses CyberGraphX-routines for FAST gfx-output and scaling
 - works stable and systemconform
 - fully multitasks
 - saves games' flash-ROMs
 - uses PowerUP
```

1.4   Limitations & Requirements

```
Limitations/Requirements
------------------------
 - only runs on PowerUP-boards ;-)
 - *** you need version 45.17 or better of the ppc.library, get it ***
   from ftp://ftp.phase5.de/pub/phase5/ppc
 - it might need CyberGfx V3 or compatible..
 - you can only set the .gb-file .. other parameters can't be set YET
 - quite "slow", as pure ANSI-C without any assembler-source-code .. therefore
   portable (also read VGB.doc inside Misc/ ..) An OPTIMIZED version (I won't
   do it ;-) might get _a lot more_ speed, so if this port of VGB only runs
   bit faster than an original gameboy, then this is not the fault of PowerUP
   or the PowerUP-software, it's because pure ANSI-C-code is used for emulation!
 - faster than any GameBoy-emulator on a 68060 .. once again (Power)Amiga rulez!

 - ************************************************
   * I WON'T SEND ANYONE ANY .GB-FILES!! ALSO NOT *
   * "FRIENDS" !! FREE EXAMPLES ARE INCLUDED FOR  *
   * TESTING IN THE Demos-directory!!             *
   ************************************************
```

1.5   Known Bugs

```
Known Bugs
----------
  - scaling doesn't work with screens deeper than 8 bit..
    seems to be a bug in CyberGraphX
  - slower display on screens deeper than 8 bit..
```

1.6 History

```
History
~~~~~~~~

Rev. 1 + Rev. 2
---------------
  - 68K-version

Rev. 3
------
  - initial PowerUP-version

Rev. 4
------
  - more SPEED
  - reincluded ASL-Requester and Shell-Options
  - scalable window
  - new icon done with UConv NG 2.1

Rev. 5
------
  - more SPEED
  - fixed small bug in gfx-output when scaling
  - trashed runelf, because it is no more needed
    with LoadSegPatch
  - doc converted to AmigaGuide by Tomas Amsrud - thanx!
  - please also read the future-section - YOUR help might be needed!
```

1.7 Future

```
Future
~~~~~~
Future plans:
 · maybe joystick/joypad support
 · sound-support via AHI
   (I need some help with this as I never did
    anything with sound before - basically the sound-
    support is already existing in VGB, but no code for
    giving them out on the AMIGA :-( - anyone willing ?)
 · link-option via Nullmodem-cable
```

1.8 Author

```
+---------> NEW EMAIL ADDRESS: bs168@fen.baynet.de <-------------+
|    // A4000/060/50Mhz+604e/180Mhz/58MB/6.4GB/CV3D + A1200/030/6MB |
| \x/ Felix Schwarz, Am Gründla 3, D-91074 Herzogenaurach, GERMANY |
| Amiga         +-----------------------------------------------+
|      forever! | NEWS: UConv NG for PowerUP announced!!         |
+---------------+-----------------------------------------------+
| Homepages: http://uconv.home.pages.de/ - the cool Ultraconv-site |
| ------->> http://agm.home.pages.de/   - the great AGM-site       |
+------------------------------------------------------------------+
```

1.9 My other PowerUP-Developments

```
Other PowerUP-developments
--------------------------
My other PowerUP-Developments are:
 PowerSearch  - look for it on Aminet!
 Ultraconv NG - read the announcement on http://www.amigaworld.com/support/uconv/
```